

Anti-HID1/DMC1 antibody [EPR12901] - BSA and Azide free ab249893

Recombinant RabMAb

3 Images

Overview

Product name	Anti-HID1/DMC1 antibody [EPR12901] - BSA and Azide free
Description	Rabbit monoclonal [EPR12901] to HID1/DMC1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB Unsuitable for: Flow Cyt, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human HID1/DMC1. The exact sequence is proprietary. Database link: Q8IV36
General notes	<p>ab249893 is the carrier-free version of ab175926.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR12901
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249893 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

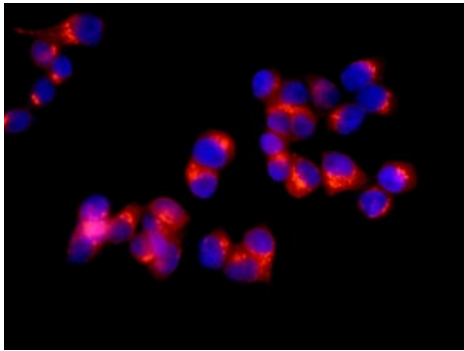
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 89 kDa.

Application notes Is unsuitable for Flow Cyt, IHC-P or IP.

Target

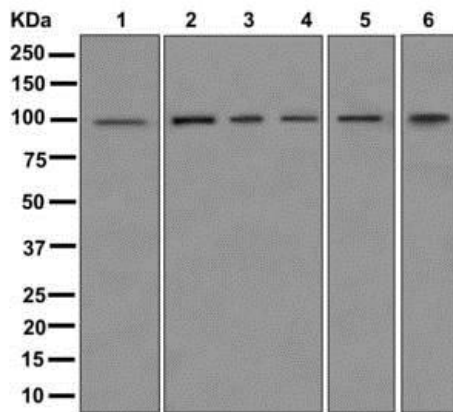
Function	May play an important role in the development of cancers in a broad range of tissues.
Tissue specificity	Expressed in heart, skeletal muscle, colon, spleen, kidney, liver, small intestine and lung. Highest expression is seen in brain and placenta. Loss of expression is seen in some breast, cervical, hepatocellular, lung, thyroid, gastric and renal cell-cancer lines.
Sequence similarities	Belongs to the UPF0663 family.
Cellular localization	Membrane.

Images



Immunocytochemistry/ Immunofluorescence - Anti-HID1/DMC1 antibody [EPR12901] - BSA and Azide free (ab249893)

This data was developed using [ab175926](#), the same antibody clone in a different buffer formulation. Immunofluorescent staining of MCF7 cells using labeling HID1/DMC1 with [ab175926](#) at 1/100 dilution (red). DAPI nuclear staining (blue).



Western blot - Anti-HID1/DMC1 antibody [EPR12901] - BSA and Azide free (ab249893)

All lanes : Anti-HID1/DMC1 antibody [EPR12901] ([ab175926](#)) at 1/1000 dilution

Lane 1 : A549 cell lysate

Lane 2 : MCF7 cell lysate

Lane 3 : Fetal brain cell lysate

Lane 4 : Human stomach lysate

Lane 5 : SK-BR-3 cell lysate

Lane 6 : HT-29 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 89 kDa

This data was developed using [ab175926](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-HID1/DMC1 antibody [EPR12901] - BSA and Azide free (ab249893)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors